CTMA OVERVIEW (PARTNERING WITH INDUSTRY)

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20 years of transforming maintenance and sustainment
CTMA is the only DoD-wide program focused solely on maintenance and sustainment.

- Over 17 Multi-participant projects by FY 2018
- 17 Awards for innovation
- $75M Applied in OSD & Congressional funds
- $243M Service-directed funds applied
- $166M Industry cost share contributed
- $450M Cost savings to date
- $8B Total projected technology transition savings by 2023
- 92% Technology transition rate since 2005

Last updated: 12-18 Mod 23
NCMS/CTMA TRACK RECORD

Project Impact

- Improved Readiness: 52%
- Mx Management Improvement: 44%
- Safety: 17%
- Environmental: 13%
- Obsolescence Mgt. & Continued...: 15%
- Mx Avoidance & Reliability: 25%
- Repair Turn-around Time: 38%
- Cost Savings: 71%

% of Projects Impacting Major Mx Criteria

Cumulative Results

Actual

$8B

Projection

$500M

$10M


Deployment Rates

Completed

2005+: 92%

1998 to 2005: 49%

% of Dollars Applied to CTMA Projects Resulting in Transition

% of CTMA Projects Transitioned in Maintenance Operations

Total CTMA Funding Profile

$317,762,927.47

Last updated: 12-18 Mod 23
The CTMA Product:

- Cooperative Agreement
- Streamline business process – 45 days cradle to execution
- Leverages industry innovation
- Facilitates cross industry / cross service collaboration
- Requires industry investment
- Evaluate / Demonstrate / Validate
- Communicate / Champion / Outreach – DoD Wide Transition

CTMA initiatives are moving forward to transition while traditional development efforts are still initiating contracts.
• CTMA cooperative agreement with broad applicability
  • Anything that supports mx and sustainment
  • Big data analysis through additive manufacturing for making tools
  • FAR compliance not required, governed by 2 CFR Part 200

Streamlined Contract Vehicle
• 30 – 45 days to contract mod
• Concept vs. SOW
• Best Value solution provider in lieu of full open competition
• CAS compliance not required
• Cost share is requirement
• Government and industry are true partners
• Win / win partnership is “true collaboration
• Focused on technology transition
CTMA PROCESS

**45-60 days**

- NCMS sends MIPR to WHS for acceptance
- WHS accepts MIPR
- NCMS submits a CTMA modification application
- WHS receives modification application
- NCMS receives contract modification. The modification will state the project start date.

**1-15 Days**

- Package includes concept paper, MIPR, MIPR acceptance, SF424 & justification

**2-5 Days**

- Government partner decides to MIPR funds to the CTMA Program, MIPR is generated and sent to NCMS.

**30 Days**

- Reviews for legal sufficiency and generates contract modification

- Project Start date is usually 2 – 4 days from the date of modification execution

NCMS in partnership with OSD and WHS are continuously looking for opportunities to streamline the application process.

30 Days
COMMERCIAL TECHNOLOGIES FOR MAINTENANCE ACTIVITIES (CTMA) PROGRAM

- Unique Collaborative Agreement, a joint NCMS/DoD partnership since 1998
- Focused on DoD Maintenance and Sustainability
- Fosters strong collaboration between DoD and industry – OEMs to SMMs
- Demonstrate/pilot advanced technologies/process capabilities/asset sustainment
- Allows DoD to “try it before you buy it”

- Project requirements to qualify:
  - Can not be used for asset acquisition
  - RDT&E (2-5 years POP) and O&M (1 year POP) oriented projects accepted
  - Focus on public good first, DoD second
  - Satisfies a maintenance and sustainment need
  - Industry cost share required
  - Multiple project partners (industry, academia, Services) preferred
• Follows a specific format established by WHS (approving agency)
• Strong focus on satisfying a public problem/need first followed by industry and DoD last
• Benefits clearly articulated – General Public primary, DoD secondary
• DoD facility/activity identified as a testbed/demonstration/pilot
• Must address a maintenance and sustainment need
• High level (5,000 foot) view of project – not a Statement of Work
• Industry cost share identified
Concept Paper – Template

1. Overview/Background
2. Problem/Proposed Solution
3. Objective
4. Scope/Solution Approach
5. Tasks (optional -- 5,000 foot view)
6. Deliverables
7. Overall Project Costs
8. Benefits to the General Public
9. Benefits to DoD
10. Project Participants
11. Period of Performance
12. Security Requirements
13. CTMA Program Activities (Transition Plan)
Website & CTMA Connector
Up-to-Date, comprehensive information for members and government partners

JTEG Tech Forums
Held virtually each month that discuss various technology topics. The goal is to share information across the services

Technology Showcases
Display the technology needs at the depots making them accessible to Senior Leadership and artisans.

CTMA Partners Meeting
Real technologies, real results. Presented and discussed at our most valuable event of the year.
DoD Maintenance Activities

- NCMS/CTMA Technology Showcase
  - 22 – 24 January 2019 – Pearl Harbor Naval Shipyard

- Joint Composite and Advanced Materials Supportability (JCAMS) Meeting
  - 4 – 6 June 2019 – Naval Air Station Patuxent River

- CTMA Partners Meeting 7-9, May 2019 – Fleet Readiness Center SW

- Monthly Joint Technology Exchange Group (JTEG)
  - 01/29/2019 U.S. Army AMC / RDECOM
  - 02/26/2019 Digital Thread / Reverse Engineering
  - 03/26/2019 Repair Parts
  - 04/30/2019 DLA R&D
  - 05/28/2019 Additive Manufacturing (AM)
  - 06/25/2019 Training the Workforce
  - 07/30/2019 USMC
  - 08/27/2019 Acquisition & Procurement Policy

- Additive Manufacturing for Mx Operations (AMMO) Working Group
  - 1st Wednesday via conference call
I believe that CTMA plays a critical role with interfacing the DoD and the commercial sector, especially those companies that don't traditionally work with the DoD. These emerging technologies expand our aperture and are a critical component to the readiness of our warfighter.

Colonel Howard K. Marotto II, Next Generation Logistics, Deputy Director, Additive Manufacturing and Innovation.